

## Claims

1. A portable telephone comprising:
  - a sound picking up unit for picking-up external sound;
  - an audio encoding unit for encoding an audio signal picked up by the sound picking up unit;
  - an encoded data storing unit for storing the audio data encoded by the audio encoding unit;
  - an audio decoding unit for decoding the audio data stored in the encoded data storing unit;
  - a call receiving sound output unit for outputting the audio data decoded by the audio decoding unit as a call receiving sound; and
  - a communication control unit for switching a base station, characterized in that the function of the audio decoding unit is provided in another circuit block that does not depend on the operation of a circuit block functioning as the communication control unit.
2. A portable telephone comprising:
  - an audio recording unit for recording an audio signal of a partner to talk with;
  - an audio encoding unit for encoding the audio signal recorded by the audio recording unit;
  - an encoded data storing unit for storing the audio data encoded by the audio encoding unit;

an audio decoding unit for decoding the audio data stored in the encoded data storing unit;

a call receiving sound output unit for outputting the audio data decoded by the audio decoding unit as a call receiving sound; and

a communication control unit for switching a base station, characterized in that the function of the audio decoding unit is provided in another circuit block that does not depend on the operation of a circuit block functioning as the communication control unit.

3. The portable telephone according to claim 1 or 2, characterized in that the audio encoding unit encodes the inputted audio signal by an ADPCM system and the audio decoding unit decodes the inputted audio data by the ADPCM system.

4. The portable telephone according to claim 1, 2 or 3, characterized in that a noise component removing unit is provided for removing the noise component of the audio signal inputted to the audio encoding unit.

5. The portable telephone according to claim 1, 2 or 3, characterized in that a musical scale adjusting unit is provided for adjusting the musical scale of the audio

signal inputted to the audio encoding unit.